

Serial Number: 10/003, 168

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING

DATE: 03/20/2002

PATENT APPLICATION: US/10/083,168

TIME: 12:32:39

Input Set : A:\pto_ms.txt

Output Set: N:\CRF3\03202002\J083168.raw

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3 <110> APPLICANT: Liaw, Chen W.
4   Chalmers, Derek T.
5   Behan, Dominic P.
6   Maciejewski-Lenior, Dominique
7   Leonard, James N.
8   Ortuno, Daniel
9   Lin, I-Lin
11 <120> TITLE OF INVENTION: Endogenous And Non-Endogenous, Constitutively Activated G
Protein-Coupled
12   Receptors
14 <130> FILE REFERENCE: AREN-0320
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/083,168
C--> 16 <141> CURRENT FILING DATE: 2002-02-26
16 <160> NUMBER OF SEQ ID NOS: 102
18 <170> SOFTWARE: PatentIn version 3.1
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22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
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30 gtcctgggca atgggcttgt gatctgggtg gctggattcc ggatgacacg cacagtcaac      180
32 accatctgtt acctgaacct ggccctagct gacttctctt tcagtgccat cctaccattc      240
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/083,168

DATE: 03/20/2002
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83          50          55          60
86 Leu Asn Leu Ala Leu Ala Asp Phe Ser Phe Ser Ala Ile Leu Pro Phe
87 65          70          75          80
90 Arg Met Val Ser Val Ala Met Arg Glu Lys Trp Pro Phe Gly Ser Phe
91          85          90          95
94 Leu Cys Lys Leu Val His Val Met Ile Asp Ile Asn Leu Phe Val Ser
95          100          105          110
98 Val Tyr Leu Ile Thr Ile Ile Ala Leu Asp Arg Cys Ile Cys Val Leu
99          115          120          125
102 His Pro Ala Trp Ala Gln Asn His Arg Thr Met Ser Leu Ala Lys Arg
103          130          135          140
106 Val Met Thr Gly Leu Trp Ile Phe Thr Ile Val Leu Thr Leu Pro Asn
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111          165          170          175
114 Ile Phe Asn Phe Ala Phe Trp Gly Asp Thr Ala Val Glu Arg Leu Asn
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118 Val Phe Ile Thr Met Ala Lys Val Phe Leu Ile Leu His Phe Ile Ile
119          195          200          205
122 Gly Phe Ser Val Pro Met Ser Ile Ile Thr Val Cys Tyr Gly Ile Ile
123          210          215          220
126 Ala Ala Lys Ile His Arg Asn His Met Ile Lys Ser Ser Arg Pro Leu
127 225          230          235          240
130 Arg Val Phe Ala Ala Val Val Ala Ser Phe Phe Ile Cys Trp Phe Pro
131          245          250          255
134 Tyr Glu Leu Ile Gly Ile Leu Met Ala Val Trp Leu Lys Glu Met Leu
135          260          265          270
138 Leu Asn Gly Lys Tyr Lys Ile Ile Leu Val Leu Ile Asn Pro Thr Ser
139          275          280          285
142 Ser Leu Ala Phe Phe Asn Ser Cys Leu Asn Pro Ile Leu Tyr Val Phe
143          290          295          300
146 Met Gly Arg Asn Phe Gln Glu Arg Leu Ile Arg Ser Leu Pro Thr Ser
147 305          310          315          320
150 Leu Glu Arg Ala Leu Thr Glu Val Pro Asp Ser Ala Gln Thr Ser Asn
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165 <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/083,168

DATE: 03/20/2002

TIME: 12:32:39

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Output Set: N:\CRF3\03202002\J083168.raw

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174 aagttgcaga gcctgacgga tgtgttcctg gtgaacctac ccctggctga cctgggtgtt      240
176 gtctgcactc tgcccttctg ggcctatgca ggcacccatg aatgggtgtt tggccaggtc      300
178 atgtgcaaaa gcctactggg catctacact attaacttct acacgtccat gctcatcctc      360
180 acctgcatca ctgtggatcg tttcattgta gtggttaagg ccaccaaggc ctacaaccag      420
182 caagccaaga ggatgacctg gggcaaggtc accagcttgc tcatctgggt gatatccctg      480
184 ctggtttcct tgccccaat tatctatggc aatgtcttta atctcgacaa gctcatatgt      540
186 ggttaccatg acgaggaat ttccactgtg gttcttgcca cccagatgac actgggggtc      600
188 ttcttgccac tgctcaccat gattgtctgc tattcagtca taatcaaac actgcttcat      660
190 gctggaggct tccagaagca cagatctcta aagatcatct tcctgggtgat ggctgtgttc      720
192 ctgctgacct agatgccctt caacctcatg aagttcatcc gcagcacaca ctgggaatac      780
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216 Asp Ser Ser Gln Glu Glu His Gln Ala Phe Leu Gln Phe Ser Lys Val
217 20 25 30
220 Phe Leu Pro Cys Met Tyr Leu Val Val Phe Val Cys Gly Leu Val Gly
221 35 40 45
224 Asn Ser Leu Val Leu Val Ile Ser Ile Phe Tyr His Lys Leu Gln Ser
225 50 55 60
228 Leu Thr Asp Val Phe Leu Val Asn Leu Pro Leu Ala Asp Leu Val Phe
229 65 70 75 80
232 Val Cys Thr Leu Pro Phe Trp Ala Tyr Ala Gly Ile His Glu Trp Val
233 85 90 95
236 Phe Gly Gln Val Met Cys Lys Ser Leu Leu Gly Ile Tyr Thr Ile Asn
237 100 105 110
240 Phe Tyr Thr Ser Met Leu Ile Leu Thr Cys Ile Thr Val Asp Arg Phe
241 115 120 125
244 Ile Val Val Val Lys Ala Thr Lys Ala Tyr Asn Gln Gln Ala Lys Arg
245 130 135 140
248 Met Thr Trp Gly Lys Val Thr Ser Leu Leu Ile Trp Val Ile Ser Leu
249 145 150 155 160
252 Leu Val Ser Leu Pro Gln Ile Ile Tyr Gly Asn Val Phe Asn Leu Asp
253 165 170 175
256 Lys Leu Ile Cys Gly Tyr His Asp Glu Ala Ile Ser Thr Val Val Leu
257 180 185 190
260 Ala Thr Gln Met Thr Leu Gly Phe Phe Leu Pro Leu Leu Thr Met Ile
261 195 200 205

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/083,168

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Input Set : A:\pto_ms.txt
Output Set: N:\CRF3\03202002\J083168.raw

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268 Gln Lys His Arg Ser Leu Lys Ile Ile Phe Leu Val Met Ala Val Phe
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272 Leu Leu Thr Gln Met Pro Phe Asn Leu Met Lys Phe Ile Arg Ser Thr
273                      245                      250                      255
276 His Trp Glu Tyr Tyr Ala Met Thr Ser Phe His Tyr Thr Ile Met Val
277                      260                      265                      270
280 Thr Glu Ala Ile Ala Tyr Leu Arg Ala Cys Leu Asn Pro Val Leu Tyr
281                      275                      280                      285
284 Ala Phe Val Ser Leu Lys Phe Arg Lys Asn Phe Trp Lys Leu Val Lys
285      290                      295                      300
288 Asp Ile Gly Cys Leu Pro Tyr Leu Gly Val Ser His Gln Trp Lys Ser
289 305                      310                      315                      320
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328 acggtccgca agaacgccgt gcgcgtgcac aaccagtcgg acagcctgga cctgcggcag      720
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RAW SEQUENCE LISTING

DATE: 03/20/2002

PATENT APPLICATION: US/10/083,168

TIME: 12:32:39

Input Set : A:\pto_ms.txt

Output Set: N:\CRF3\03202002\J083168.raw

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361      35      40      45
364 Phe Leu Gly Asn Thr Val Val Cys Ile Ile Val Tyr Gln Arg Pro Ala
365      50      55      60
368 Met Arg Ser Ala Ile Asn Leu Leu Ala Thr Leu Ala Phe Ser Asp
369 65      70      75      80
372 Ile Met Leu Ser Leu Cys Cys Met Pro Phe Thr Ala Val Thr Leu Ile
373      85      90      95
376 Thr Val Arg Trp His Phe Gly Asp His Phe Cys Arg Leu Ser Ala Thr
377      100     105     110
380 Leu Tyr Trp Phe Phe Val Leu Glu Gly Val Ala Ile Leu Leu Ile Ile
381      115     120     125
384 Ser Val Asp Arg Phe Leu Ile Ile Val Gln Arg Gln Asp Lys Leu Asn
385      130     135     140
388 Pro Arg Arg Ala Lys Val Ile Ile Ala Val Ser Trp Val Leu Ser Phe
389 145     150     155     160
392 Cys Ile Ala Gly Pro Ser Leu Thr Gly Trp Thr Leu Val Glu Val Pro
393      165     170     175
396 Ala Arg Ala Pro Gln Cys Val Leu Gly Tyr Thr Glu Leu Pro Ala Asp
397      180     185     190
400 Arg Ala Tyr Val Val Thr Leu Val Val Ala Val Phe Phe Ala Pro Phe
401      195     200     205
404 Gly Val Met Leu Cys Ala Tyr Met Cys Ile Leu Asn Thr Val Arg Lys
405      210     215     220
408 Asn Ala Val Arg Val His Asn Gln Ser Asp Ser Leu Asp Leu Arg Gln
409 225     230     235     240
412 Leu Thr Arg Ala Gly Leu Arg Arg Leu Gln Arg Gln Gln Gln Val Ser
413      245     250     255
416 Val Asp Leu Ser Phe Lys Thr Lys Ala Phe Thr Thr Ile Leu Ile Leu
417      260     265     270
420 Phe Val Gly Phe Ser Leu Cys Trp Leu Pro His Ser Val Tyr Ser Leu
421      275     280     285
424 Leu Ser Val Phe Ser Gln Arg Phe Tyr Cys Gly Ser Ser Phe Tyr Ala
425      290     295     300
428 Thr Ser Thr Cys Val Leu Trp Phe Ser Tyr Leu Lys Ser Val Phe Asn
429 305     310     315     320
432 Pro Ile Val Tyr Cys Trp Arg Ile Lys Lys Phe Arg Glu Ala Cys Ile
433      325     330     335
436 Glu Leu Leu Pro Gln Thr Phe Gln Ile Leu Pro Lys Val Pro Glu Arg
437      340     345     350
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450 <212> TYPE: DNA

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/083,168

DATE: 03/20/2002

TIME: 12:32:40

Input Set : A:\pto_ms.txt

Output Set: N:\CRF3\03202002\J083168.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date